

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for managing a peer-to-peer collaboration system, the method comprising:

- (a) using client software operating in a first device and a second device to connect a first user of the first device to a second user of the second device in a peer-to-peer collaboration session including the first user and second user, the first user having a first collaboration identity in a shared space and the second user having a second collaboration identity in the shared space;
- (b) sending a request from a management server to the first user to become a managed entity;
- (c) downloading from the management server to the client software operating in the first device a definition file containing a definition of the managed entity;
- (d) associating ~~information~~ a management identity in the definition file with the first ~~user~~ collaboration identity or first device information in the client software operating in the first device in order to create the managed entity, the managed entity being different than the first collaboration identity, the management identity allowing the first user or first device to be identified by the management server;
[[and]]
- (e) interacting, between the management server and the client software using the management identity, to exchange management information associated with the operation of the managed entity in the peer-to-peer collaboration session separately from the collaborative information exchanged between the first user and the second user, wherein the exchanged management information comprises at least one member of a group comprising a license file and a policy restriction file;
- (f) if the exchanged information includes a license file, in response to information in the license file, enabling at least one function in the client software; and

(g) if the exchanged information includes a policy restriction file, in response to information in the policy restriction file, restricting at least one function in the client software.

2. (Previously presented) The method of claim 1 wherein the managed entity is a managed user and the definition file is an injectible identity file and the act (d) of associating comprises incorporating information from the injectible identity file into a user account file.

3. (Previously presented) The method of claim 1 wherein the managed entity is a managed device and the definition file is a device information file.

4. (Previously presented) The method of claim 3 wherein the act (d) of associating comprises incorporating information from the device information file into a Windows REG file.

5. (Previously presented) The method of claim 1, wherein interacting comprises:
i) sending at least one license file from the management server to the managed user;
and
ii) in response to information in the license file, enabling at least one function in the client software.

6. (Previously presented) The method of claim 1, wherein interacting comprises:
i) sending at least one policy restriction file from the management server to the managed user; and
ii) in response to information in the policy restriction file, restricting at least one function in the client software.

7. (Previously presented) The method of claim 1, wherein interacting comprises:
i) creating a client list of licensed components and policy restrictions in the client software of the managed user;
ii) sending the client list to the management server;

- iii) creating a server list of licensed components and policy restrictions in the management server;
 - iv) comparing the client list to the server list; and
 - v) adjusting and synchronizing the components in the client software based on the comparison on step iv).
8. (Previously presented) The method of claim 7 wherein step v) comprises downloading and installing licensed components from the management server to the client software which components are on the server list and are not on the client list.
9. (Previously presented) The method of claim 7 wherein step v) further comprises revoking licenses in the client software of components that are on the client list and are not on the server list.
10. (Previously presented) The method of claim 7 wherein steps i) to v) are repeated periodically.
11. (Previously presented) The method of claim 1, wherein the management information comprises event notifications and statistical information and interacting to exchange management information comprises:
- i) periodically sending the event notifications and the statistical information from the client software of the managed user to the management server.
12. (Original) The method of claim 11 wherein the event notifications include error notifications.
13. (Original) The method of claim 11 wherein event notifications and statistical information are temporarily stored in a memory located at a client site.

14. (Currently amended) Apparatus for managing a peer-to-peer collaboration system, the apparatus comprising:

client software operating in a first device and a second device, the software connecting a first user of the first device to a second user in a peer-to-peer collaboration session including the first and second users, the first user having a first collaboration identity in a shared space and the second user having a second collaboration identity in the shared space;

management software that sends a request from a management server to the first user to become a managed entity;

a download manager that downloads from the management server to the client software operating in the first device a definition file containing a definition of the identity of the managed entity;

a mechanism in the client software that associates the definition ~~information~~ with the first ~~user~~ collaboration identity or first device information operating in the first device in order to create the managed entity, the managed entity being different than the first collaboration identity, the management identity allowing the first user or first device to be identified by the management server; and

a mechanism that exchanges information relating to the managed entity between the client software and the management software using the management identity, the information relating to monitoring operation of the managed entity and/or synchronizing the managed entity with information on the management server, the exchanged information being associated with the identity of the managed entity, wherein:

the exchanged management information comprises at least one member of a group comprising a license file and a policy restriction file;

if the exchange information includes a license file, in response to information in the license file, enabling at least one function in the client software; and

if the exchanged information includes a policy restriction file, in response to information in the policy restriction file, restricting at least one function in the client software.

15. (Previously presented) The apparatus of claim 14 wherein the managed entity is a managed user and the definition file is an injectible identity file.

16. (Previously presented) The apparatus of claim 14 wherein the managed entity is a managed device and the definition file is a device information file.

17. (Original) The apparatus of claim 16 wherein the device information file is a Windows REG file.

18. (Previously presented) The apparatus of claim 14, wherein the mechanism that exchanges information further comprises:

license control software in the management server that sends at least one license file from the management server to the managed user; and

license control software in the client software that, in response to information in the license file, enables at least one function in the client software.

19. (Previously Presented) the apparatus of claim 14, wherein the mechanism that exchanges information comprises:

policy control software in the management server that sends at least one policy restriction file from the management server to the managed user; and

policy control software in the client software that, in response to information in the policy restriction file, restricts at least one function in the client software.

20. (Previously presented) The apparatus of claim 14, wherein the mechanism that exchanges information comprises:

management software in the management server that creates a client list of licensed components and policy restrictions in the client software of the managed user;

a transport mechanism that sends the client list to the management server;

management software in the client software that creates a server list of licensed components and policy restrictions in the management server;

a mechanism that compares the client list to the server list; and
a mechanism that adjusts and synchronizes the components in the client software in cooperation with the comparison mechanism.

21. (Original) The apparatus of claim 20 wherein the adjusting and synchronizing mechanism comprises a download manager that downloads and installs licensed components from the management server to the client software which components are on the server list and are not on the client list.

22. (Original) The apparatus of claim 21 wherein the adjusting and synchronizing mechanism further comprises a mechanism that revokes licenses in the client software of components are on the client list and are not on the server list.

23. (Previously presented) The apparatus of claim 21 wherein the adjusting and synchronizing mechanism operates periodically.

24. (Previously presented) The apparatus of claim 14, wherein the mechanism that exchanges information comprises:

customer service management software that periodically sends event notifications and statistical information from the client software of the managed user to the management server.

25. (Original) The apparatus of claim 24 wherein the event notifications include error notifications.

26. (Original) The method of claim 24 wherein event notifications and statistical information are temporarily stored in a memory located at a client site.

27. (Currently Amended) At least one tangible computer readable medium encoded with instructions, that when executed in a computer system, perform a method ~~A computer program product for managing a peer-to-peer collaboration system, the computer program product~~

~~comprising a computer usable medium having computer readable program code thereon,~~
~~including comprising acts of:~~

~~program code operable in devices for~~ connecting a first user to a second user in a peer-to-peer collaboration session including the first and second users, the first user having a first collaboration identity in a shared space and the second user having a second collaboration identity in the shared space;

~~program code for~~ receiving a request from a management server to the first user to become a managed entity;

~~program code for~~ downloading from the management server to client software operating in the computer system a definition file containing a definition of the managed entity;

~~program code for~~ associating ~~information~~ a management identity in the definition file with the first user collaboration identity ~~or device information~~ in the client software in order to create the managed entity, the managed entity being different than the first collaboration identity, the management identity allowing the first user or computer system to be identified by the management server; and

~~program code for~~ interacting with the management server using the management identity to exchange information relating to the managed entity within a collaboration session using the shared space, wherein the exchanged management information comprises at least one member of a group comprising a license file and a policy restriction file, and the interacting further comprises:

if the exchange information includes a license file, in response to information in the license file, enabling at least one function in the client software; and

if the exchanged information includes a policy restriction file, in response to information in the policy restriction file, restricting at least one function in the client software,

wherein interacting further comprises:

- i) creating a client list of licensed components and policy restrictions in the client software of the managed user;
- ii) sending the client list to the management server;

- iii) creating a server list of licensed components and policy restrictions in the management server;
- iv) comparing the client list to the server list; and
- v) adjusting and synchronizing the components in the client software based on the comparison on step iv), including downloading and installing licensed components from the management server to the client software which components are on the server list and are not on the client list.

28. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 27 wherein the managed entity is a managed user and the definition file is an injectible identity file.

29. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 27 wherein the managed entity is a managed device and the definition file is a device information file.

30. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 29 wherein the device information file is a Windows REG file.

31. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 27, wherein the program code for interacting comprises:

~~program code for~~ sending at least one license file from the management server to the managed user; and

~~program code that responds~~ responding to information in the license file for enabling at least one function in the client software.

32. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 27, wherein the program code for interacting comprises:

~~program code for~~ sending at least one policy restriction file from the management server to the managed user; and

~~program code that responds~~ responding to information in the policy restriction file for restricting at least one function in the client software.

33. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 27, wherein the program code for interacting comprises:

~~program code for~~ creating a client list of licensed components and policy restrictions in the client software of the managed user;

~~program code for~~ sending the client list to the management server;

~~program code for~~ creating a server list of licensed components and policy restrictions in the management server;

~~program code for~~ comparing the client list to the server list; and

~~program code that cooperates~~ cooperating with the comparing program code for adjusting and synchronizing the components in the client software.

34. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 33 wherein the program code for adjusting and synchronizing the components comprises program code for downloading and installing licensed components from the management server to the client software which components are on the server list and are not on the client list.

35. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 33 wherein the program code for adjusting and synchronizing the components further comprises program code for revoking licenses in the client software of components are on the client list and are not on the server list.

36. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 33 wherein the program code for adjusting and synchronizing the components operates periodically.

37. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 27, wherein the program code for interacting comprises:
 ~~program code for~~ periodically sending event notifications and statistical information from the client software of the managed user to the management server.

38. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 37 wherein the event notifications include error notifications.

39. (Currently amended) The ~~computer program product~~ at least one tangible computer readable medium of claim 37 further comprising program code for temporarily storing event notifications and statistical information in a memory located at a client site.

40. (Canceled).

41. (Currently amended) Apparatus for managing a peer-to-peer collaboration system in which users having identities are directly connected to each other in a collaboration session using a shared space by client software operating in devices and wherein the users can communicate with a management server using the client software, the apparatus comprising:

 means operable in devices for connecting a first user having ~~[[an]]~~ a first collaboration identity in the shared space to a second user having ~~[[an]]~~ a second collaboration identity in the shared space in a peer-to-peer collaboration session including the first and second users;

 means for sending a request from a management server to the first user to become a managed entity;

 means for downloading from the management server to the client software a definition file containing a definition of the identity of the managed entity;

 means in the client software for associating the ~~definition~~ identity of the managed entity with the first ~~user~~ collaboration identity or first device information in the client software in order to create the managed entity, the managed entity being different than the first collaboration identity, the management identity allowing the first user or first device to be identified by the management server; [[and]]

means for exchanging management information associated with the managed entity using the management identity, the management information relating to the collaboration session, and the management information being exchanged between the client software and the management server, and the management information identifying an entity to which the information relates using the new identity of the managed entity, wherein the exchanged management information comprises at least one member of a group comprising a license file and a policy restriction file;

means for enabling at least one function in the client software in response to information in the license file if the exchange information includes a license file; and

means for restricting at least one function in the client software in response to information in the policy restriction file if the exchanged information includes a policy restriction file.

42. (Previously presented) The apparatus of claim 41 wherein the managed entity is a managed user and the definition file is an injectible identity file.

43. (Previously presented) The apparatus of claim 41 wherein the managed entity is a managed device and the definition file is a device information file.

44. (Original) The apparatus of claim 43 wherein the device information file is a Windows REG file.

45. (Previously presented) The apparatus of claim 41, wherein the means for exchanging management information comprises:

means for sending at least one license file from the management server to the managed user; and

means responsive to information in the license file for enabling at least one function in the client software.

46. (Previously presented) The apparatus of claim 41, wherein the means for exchanging management information comprises:

means for sending at least one policy restriction file from the management server to the managed user; and

means responsive to information in the policy restriction file for restricting at least one function in the client software.